

LNM/Index Requirements – Dairy Producers

- Dairy semen from AI sires must be from the top 20 percent for Lifetime Net Merit (LNM) for their breed or the appropriate breed Index listed below:

FY 09/10 TAEP Cattle Genetics Program - Minimum Dairy TPI or LNM Requirements by Breed

To Qualify: A bull must meet or exceed the requirements in **1 of the 2** categories.

<u>BREED</u>	<u>Column2</u>	<u>TPI</u>	<i>or</i>	<u>LNM</u>
HOLSTEIN		1673		384
Red & White		1673		384
AYRSHIRE		Top 20%		222
BROWN SWISS		130		324
GUERNSEY		Top 20%		243
JERSEY		156		373
MILKING SHORTHORN		Top 20%		342

- Natural service bulls – The purchased/leased bull or bull's sire must meet the criteria for LNM or the appropriate breed Index listed above, during the year they are used. There are no restrictions on the dam. Dairy natural service bulls must also pass a breeding soundness exam to qualify.

EPD Requirements/Info. – Beef Producers

FY 09/10 TAEP Cattle Genetics Program – Beef EPD Requirements by Breed

To Qualify: A bull must meet or exceed the requirements in **2 of the 3** categories.

BREED	Categories					
	<u>1.) BIRTH WEIGHT</u>		<u>2.) GROWTH</u>		<u>3.) MATERNAL</u>	
	Maximum	Minimum	Minimum	Minimum	Minimum	Maximum
	<u>BW</u>	<i>or</i> <u>CE</u>	<u>WW</u>	<i>or</i> <u>YW</u>	<u>MILK</u>	<u>MILK</u>
ANGUS	2.6	4	42	78	18	31
BEEFMASTER	0.8		5	10	1	13
BRAHMAN	2.2		11.8	19.7	5	13.7
BRANGUS/ULTRABLACK	0.9		19.5	36.5	5.5	20.6
BRAUNVIEH	0.2		2	4	1	33
CHAROLAIS	1.2	106	20.6	35.9	5.5	18.2
CHIANINA	1.7		42.6	77.4	8.9	22.4
GELB-BALANCER	0.4	103	33	71	16	26
GELBVIEH	1.8	103	39	71	16	25
HEREFORD	4	-0.6	40	65	16	30
LIM-FLEX	0.8	7	43	84	24.5	38
LIMOUSIN	2.2	6	41	75	20	34
MAIN TAINERS	2.26		31.4	64.8	17.5	29.5
MAINE ANJOU	2.36		38.3	75.8	19.2	29.7
RED ANGUS	0.9	5	30	53	15	28
SALERS	1.3	0	15	26	7	21
SANTA GERTRUDIS	0.7		3	4	-1	8
SHORTHORN	2.3	-0.4	12	19	2	9
SIMM HYBRID	0.3		25	48	0.9	13.5
SIMMENTAL	1.7	5.8	30.5	54.3	2.1	14.3
SOUTH DEVON	3		37	72	20	33

- All bulls must have individual EPD's assigned by their breed association.
- Only bulls from breeds listed above will be considered for cost share reimbursement.
- Producers need to consider all traits when choosing a bull or semen to purchase including the need to keep replacement heifers, available inputs and management factors.
- Producers should **note:** Bulls that qualify for the Growth & Milk categories, but have high Birth Weight EPD's (and/or low Calving Ease EPD's) **should not** be used on heifers. This could lead to calving difficulty and mortality.

Explanation of Categories:

1.) BIRTH WEIGHT:

Birth Weight (BW) EPD's *lower than* the maximum are acceptable.

ex.: An Angus bull with a BW of 2.5 is acceptable because it falls **below 2.6**.

Calving Ease (CE) EPD's *greater than* the minimum are acceptable.

ex.: An Angus bull with a CE of 5 is acceptable because it **exceeds 4**.

Bulls qualifying for both BW & CE count as only 1 category qualifier.

2.) GROWTH:

Weaning Weight (WW) EPD's *greater than* the minimum are acceptable.

ex.: An Angus bull with a WW of 43 is acceptable because it **exceeds 42**.

Yearling Weight (YW) EPD's *greater than* the minimum are acceptable.

ex.: An Angus bull with a YW of 80 is acceptable because it **exceeds 78**.

Bulls qualifying for both WW & YW count as only 1 category qualifier.

3.) MATERNAL:

MILK EPD's *must be within the min/max range to qualify in this category*.

ex.: An Angus bull with a Milk of 25 is acceptable because it falls **between 18 - 31**.

ex.: An Angus bull with a Milk of 33 is **not** acceptable because it **exceeds 31**.

ex.: An Angus bull with a Milk of 16 is **not** acceptable because it falls **below 18**.